

TED (15/19) – 3001
(Revision – 2015/19)

N22 - 06710

Reg.No.....
Signature.....

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – NOVEMBER – 2022**

ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT

(Maximum Marks : 100)

(Time : 3 hours)

PART – A
(Maximum Marks : 10)

Marks

I. Answer **all** questions in one or two sentences. Each question carries 2 marks.

1. Write two examples of natural resources.
2. Write any two environmental impacts due to mining.
3. Write the functions of decomposers.
4. Define environmental pollution.
5. Write any two major manmade disasters.

(5x2=10)

PART – B
(Maximum Marks : 30)

II. Answer any **five** of the following questions. Each question carries 6 marks.

1. Describe the problems of de - forestation.
2. Write the causes for land degradation.
3. Explain the biotic and abiotic component of an echo system.
4. What are the causes of global warming.
5. List the effects of thermal pollution.
6. Explain various categories of solid wastes.
7. Explain risk management.

(5x6=30)

PART – C

(Maximum Marks : 60)

(Answer **one full** question from each unit. Each full question carries 15 marks)

UNIT – I

III. (a) Explain the social and ecological problems due to dams. (8)

(b) Explain the problems due to over exploitation of forests. (7)

OR

IV. (a) Define sustainable development and write its importance. (8)

(b) Identify the causes for land degradation. (7)

UNIT – II

V. (a) Explain the ecological pyramid. (8)

(b) Explain the role of producers, consumers and decomposers in an ecosystem. (7)

OR

VI. (a) Explain the feature of aquatic echo system. (8)

(b) Explain the type and structure of grass land echo system. (7)

UNIT – III

VII. (a) Explain the effects of water pollution. (8)

(b) Explain the sources of contributing oil pollution. (7)

OR

VIII. (a) Identify various categories of solid wasters. (8)

(b) Explain EIA process. (7)

UNIT – IV

IX. (a) Explain the causes of different types of disasters. (7)

(b) Explain the disaster management operation cycle. (8)

OR

X. (a) Explain various preventive measures for disaster risk reduction. (8)

(b) Explain the role played by various acts related to disaster management. (7)
